

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1527292

Luminaire Tested: 22CGSB-50-A125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGSB-50-A125-L935
Description: CGTX with A125 Lens Option

Light Source:
Ballast/Driver: -

Summary

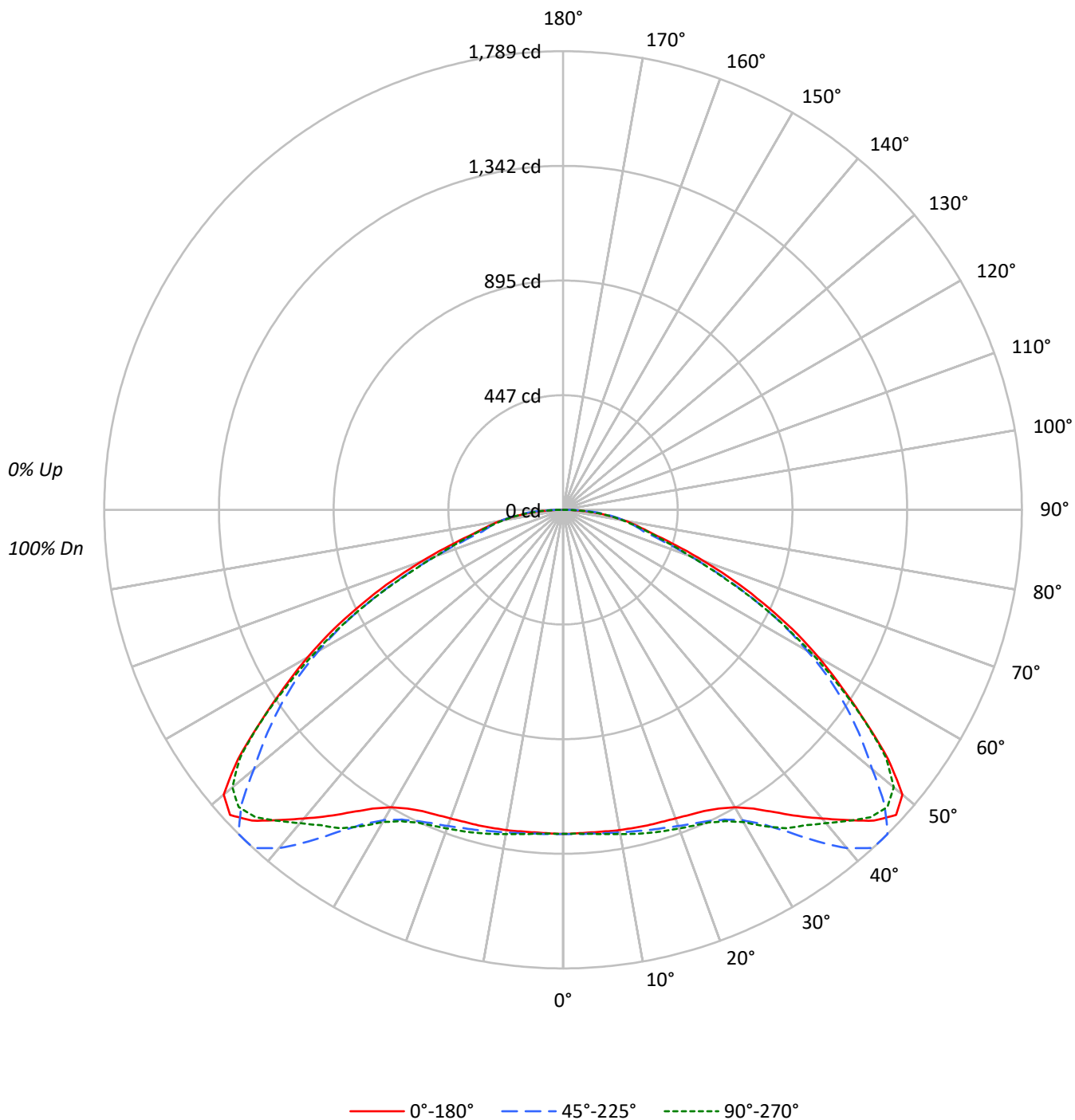
Lumens per Lamp: N/A
Luminaire Lumens: 5980.7 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.92 / 1.91 / 1.88
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 42.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84		82
2	97	89	81	75	95	87	80	74	83	77	73		80	75	71		77	73	69		67
3	88	77	68	61	85	75	67	61	72	65	59		69	63	58		67	62	57		55
4	80	67	58	51	78	66	57	50	63	55	49		61	54	49		58	53	48		46
5	73	59	49	42	71	58	49	42	56	48	42		54	47	41		52	46	41		38
6	67	52	43	36	65	52	42	36	50	42	36		48	41	35		46	40	35		33
7	61	47	38	31	60	46	37	31	45	37	31		43	36	30		42	35	30		28
8	57	42	33	27	55	42	33	27	40	32	27		39	32	27		38	31	26		24
9	53	39	30	24	51	38	30	24	37	29	24		36	29	24		35	28	23		21
10	49	35	27	21	48	35	27	21	34	26	21		33	26	21		32	25	21		19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3402	3402	3402
5°	3411	3424	3427
10°	3466	3491	3510
15°	3550	3603	3635
20°	3668	3759	3788
25°	3850	3978	3995
30°	4163	4342	4370
35°	4728	5039	4980
40°	5520	6052	5603
45°	6526	6809	6453
50°	7231	6588	7047
55°	6741	6344	6736
60°	6189	5922	6031
65°	5474	5165	5157
70°	4586	4133	4142
75°	3770	3382	3653
80°	3834	3817	3659
85°	3767	4536	3838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 7231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.0
10°-20°	366.6	6.1
20°-30°	619.7	10.4
30°-40°	952.9	15.9
40°-50°	1324.4	22.1
50°-60°	1246.7	20.8
60°-70°	823.3	13.8
70°-80°	382.6	6.4
80°-90°	143.2	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1107.6	18.5
0°-40°	2060.5	34.5
0°-60°	4631.6	77.4
0°-90°	5980.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5980.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1263	1266	1267	1270	1269	121
15°	1274	1280	1293	1302	1305	361
25°	1297	1314	1340	1348	1345	603
35°	1439	1490	1534	1528	1516	911
45°	1715	1776	1789	1746	1696	1312
55°	1437	1417	1352	1398	1436	1287
65°	860	852	811	824	810	854
75°	363	349	325	336	351	406
85°	122	140	147	142	124	133
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.1	1264.1	1264.1	1264.1	1264.1
2.5°	1262.9	1265.2	1266.3	1267.4	1264.1
5°	1262.9	1266.3	1267.4	1269.7	1268.6
7.5°	1265.2	1268.6	1272.0	1274.2	1275.4
10°	1268.6	1272.0	1277.6	1284.4	1284.4
12.5°	1270.8	1276.5	1284.4	1293.4	1294.6
15°	1274.2	1279.9	1293.4	1302.5	1304.7
17.5°	1276.5	1285.5	1301.3	1312.6	1313.8
20°	1281.0	1291.2	1312.6	1322.8	1322.8
22.5°	1287.8	1301.3	1323.9	1333.0	1333.0
25°	1296.8	1313.8	1339.7	1347.7	1345.4
27.5°	1313.8	1334.1	1362.3	1371.4	1369.1
30°	1339.7	1366.9	1397.4	1408.7	1406.4
32.5°	1381.5	1415.4	1453.8	1464.0	1462.9
35°	1439.2	1490.0	1534.0	1528.4	1516.0
37.5°	1505.8	1581.5	1631.2	1578.1	1551.0
40°	1571.3	1674.1	1722.7	1636.8	1595.0
42.5°	1641.4	1746.4	1788.2	1704.6	1645.9
45°	1714.8	1775.8	1789.3	1746.4	1695.6
47.5°	1761.1	1729.5	1700.1	1726.1	1715.9
50°	1727.2	1621.0	1573.6	1623.3	1683.2
52.5°	1598.4	1520.5	1465.1	1511.4	1587.1
55°	1436.9	1416.6	1352.2	1398.5	1435.8
57.5°	1288.9	1304.7	1234.7	1269.7	1275.4
60°	1150.0	1161.3	1100.3	1129.6	1120.6
62.5°	1008.8	1009.9	962.4	979.4	965.8
65°	859.7	851.7	811.1	823.5	809.9
67.5°	719.6	701.5	663.1	668.7	656.3
70°	582.9	561.4	525.3	533.2	526.4
72.5°	460.9	443.9	412.3	422.5	429.3
75°	362.6	349.1	325.3	335.5	351.3
77.5°	300.5	283.5	285.8	279.0	290.3
80°	247.4	237.2	246.3	239.5	236.1
82.5°	184.1	194.3	197.7	201.1	184.1
85°	122.0	140.1	146.9	142.3	124.3
87.5°	59.9	75.7	77.9	76.8	64.4
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	19.5	21.2	19.8	21.5	21.9	19.3	21.1	19.7	21.4	21.7
	3H	20.8	22.3	21.1	22.7	23.0	20.5	22.1	20.9	22.4	22.7
	4H	21.1	22.6	21.5	23.0	23.4	20.9	22.4	21.3	22.7	23.1
	6H	21.5	22.9	21.9	23.2	23.6	21.2	22.6	21.6	23.0	23.4
	8H	21.6	23.0	22.1	23.4	23.7	21.4	22.7	21.8	23.1	23.5
	12H	21.8	23.0	22.2	23.4	23.8	21.5	22.8	21.9	23.2	23.6
4H	2H	19.9	21.4	20.3	21.8	22.1	19.8	21.3	20.2	21.6	22.0
	3H	21.4	22.6	21.8	23.0	23.4	21.1	22.4	21.5	22.8	23.2
	4H	21.9	23.0	22.3	23.4	23.8	21.6	22.7	22.0	23.2	23.6
	6H	22.3	23.3	22.8	23.8	24.2	22.1	23.1	22.6	23.5	24.0
	8H	22.6	23.5	23.0	23.9	24.4	22.3	23.3	22.8	23.7	24.2
	12H	22.7	23.6	23.2	24.1	24.5	22.5	23.4	23.0	23.9	24.3
8H	4H	22.0	23.0	22.5	23.4	23.9	21.8	22.8	22.3	23.2	23.7
	6H	22.7	23.4	23.1	23.9	24.4	22.5	23.2	22.9	23.7	24.2
	8H	23.0	23.7	23.5	24.2	24.7	22.8	23.5	23.3	24.0	24.5
	12H	23.3	23.9	23.8	24.4	24.9	23.1	23.7	23.6	24.2	24.8
12H	4H	22.1	22.9	22.6	23.4	23.9	21.9	22.7	22.3	23.2	23.6
	6H	22.7	23.4	23.3	23.9	24.4	22.5	23.2	23.1	23.7	24.2
	8H	23.1	23.7	23.6	24.2	24.8	22.9	23.6	23.4	24.0	24.6













(END OF REPORT)